

FIG. 3A

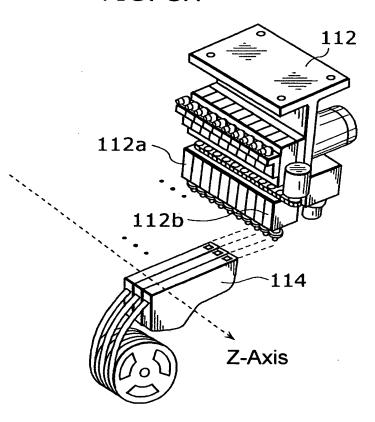


FIG. 3B

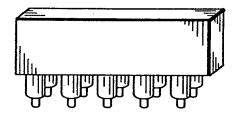


FIG. 11

Nozzle interchange time N (nozzle set number n=N+1)	Task number XN	Evaluated value S	
N=0	Xo	So	
N=1	X1	S1	
N=2	X2	S2	
:	<u>:</u>		



Evaluation function:

 $S = X_N + h \cdot N$

h: a coefficient for converting a time taken by interchanging nozzles per time into a task number

FIG. 25A

Nozzle set

Nozzle set	1	2	3	4
1	S(6)	S(6)	S(6)	S(6)
2	S(1)	S(1)	M(1)	M(1)
3	M(1)	M(1)	M(1)	L(1)

FIG. 25B

Nozzle pattern 1 (Number of nozzles to be interchanged: 4)

Nozzle set	Task No.	H1	H2	НЗ	H4
1	1~6	<u></u>	<u>(S)</u>	<u> </u>	(S)
2	.7	<u></u>	S	8	8
3	. 8	((()	0	8	8

FIG. 25C

Nozzle pattern 2 (Number of nozzles to be interchanged: 6)

Nozzle set	Task No.	H1	H2	НЗ	H4
1	1~6	S	<u>(S)</u>	<u>S</u>	S
3	7	M	(M)	Ø	0
2	8	W	W	S	<u></u>

FIG. 25D

Nozzle pattern 3 (Number of nozzles to be interchanged: 6)

Nozzle set	Task No.	H1	H2	НЗ	H4
2	1	(3)	<u>S</u>	Ø	(
1	2~7	S	S	S	<u></u>
3	8	Ø	Ø	Ø	Q :

FIG. 49

	2000	SX	ر ار ار ار ار ار	10058	SA	Ctane B	(a)
0.00,	1005C SA		Others	S&M		stane 1	
				•			
	Others	18	Σ	2	IO.		
Č	5	32	S	m	-,		
1005	U	11	SA	2	4		
10	ч	20	8S	u,	3		
03	C	12	SX		2	8	(a)
0603	R	10	SX	ß	1		
Component	type	Number of components	Nozzle type	Nozzle source	PG	Stage	